

AMENDMENTS IN THE CLAIMS

1. (currently amended) A method for specifying a return of specific data in response to a search query issued to a subscribe and publish communication interface, said method comprising:

generating a subscription object containing a primary identifier (ID) of a published data;

[[and]]

including within said subscription object an expression indicating a specific context desired for satisfying the subscription object once the published data is identified on the communication interface;

providing within said subscription object an address of a node associated with a subscribing component, which generated said subscription object; and

registering said node within said communicating interface as requesting at least a notification of said published data, wherein said node receives a notification when only a notification is desired and said node receives said published data when said published data is requested, based on a type of registration requested by the subscription object;

wherein, once the subscription object is placed on the subscribe and publish communication interface, a response to the subscription object is only provided following publication of the published data and a confirmation of the specific context.

2. Canceled

3. (currently amended) The method of Claim [[2]] 1, further comprising:

flagging a registration of said node to indicate additional criteria needs to be satisfied prior to issuing the notification or forwarding published data to said node; and

matching an ID of a newly published data to a primary ID of a desired published data;
and

when the registration has an associated flag, verifying that said additional criteria is satisfied before indicating a match.

4. (currently amended) The method of Claim [[2]] 1, further comprising expanding a registration of said node to include said expression.
5. (original) The method of Claim 1, wherein said expression is one or a combination of a logical expression and a condition expression.
6. (currently amended) The method of Claim [[2]] 1, wherein, when said expression is a logical expression requiring a publication of two or more different data each having unique data type IDs, said method further comprises:
 - retrieving an associated data type ID for each publication to the communication interface;
 - comparing the publication's data type ID against each unique data type ID within said logical expression; and
 - providing the response to said subscription object only when each of said data type IDs are matched against publication data type IDs.
7. (original) The method of Claim 6, wherein said subscription component is an agent and said method further comprises:
 - receiving confirmation that all criteria within said expression has been satisfied; and
 - completing a secondary function when said confirmation is received.
8. (original) The method of claim 7, wherein said subscribe and publish communication interface is an information kit and said subscription object is an information kit subscription object.
9. (original) The method of Claim 1, further comprising:
 - providing a query expression within said subscription object containing an operand other than a wildcard for uniquely differentiating said query from a query for a generic response;
 - publishing said query to an information kit; and
 - receiving a response containing a publication object satisfying said entire query expression.

10. (currently amended) A system comprising:

a processor; and

program means executing on the processor for controlling a return of specific data in response to a search query issued to a subscribe and publish communication interface, said program means system comprising:

means for generating a subscription object containing a primary identifier (ID) of a published data; [[and]]

means for including within said subscription object an expression indicating a specific context desired for satisfying the subscription object once the published data is identified on the communication interface;

means for providing within said subscription object an address of a node associated with a subscribing component, which generated said subscription object; and

means for registering said node within said communicating interface as requesting at least a notification of said published data, wherein said node receives a notification when only a notification is desired and said node receives said published data when said published data is requested, based on a type of registration requested by the subscription object;

wherein, once the subscription object is placed on the subscribe and publish communication interface, a response to the subscription object is only provided following publication of the published data and a confirmation of the specific context.

11. Canceled

12. (currently amended) The system of Claim [[11]] 10, further comprising:

means for flagging a registration of said node to indicate additional criteria needs to be satisfied prior to issuing the notification or forwarding published data to said node; and

means for matching an ID of a newly published data to a primary ID of a desired published data; and

means, when the registration has an associated flag, for verifying that said additional criteria is satisfied before indicating a match.

13. (currently amended) The system of Claim [[11]] 10, further comprising means for expanding a registration of said node to include said expression.

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14. (original) The system of Claim 10, wherein said expression is one or a combination of a logical expression and a condition expression.

15. (currently amended) The system of Claim ~~[[11]]~~ 10, wherein, when said expression is a logical expression requiring a publication of two or more different data each having unique data type IDs, said system further comprises:

means for retrieving an associated data type ID for each publication to the communication interface;

means for comparing the publication's data type ID against each unique data type ID within said logical expression; and

means for providing the response to said subscription object only when each of said data type IDs are matched against publication data type IDs.

16. (original) The system of Claim 15, wherein said subscription component is an agent and said system further comprises:

means for receiving confirmation that all criteria within said expression has been satisfied; and

means for completing a secondary function when said confirmation is received.

17. (original) The system of claim 16, wherein said subscribe and publish communication interface is an information kit and said subscription object is an information kit subscription object.

18. (original) The system of Claim 10, further comprising:

means for providing a query expression within said subscription object containing an operand other than a wildcard for uniquely differentiating said query from a query for a generic response;

means for publishing said query to an information kit; and means for receiving a response containing a publication object satisfying said entire query expression.

19. (currently amended) A computer program product comprising:

a tangible computer readable medium; and

program code on said computer readable medium for specifying a return of specific data in response to a search query issued to a subscribe and publish communication interface, said program code further comprising code for:

generating a subscription object containing a primary identifier (ID) of a published data;

[[and]]

including within said subscription object an expression indicating a specific context desired for satisfying the subscription object once the published data is identified on the communication interface;

providing within said subscription object an address of a node associated with a subscribing component, which generated said subscription object; and

registering said node within said communicating interface as requesting at least a notification of said published data, wherein said node receives a notification when only a notification is desired and said node receives said published data when said published data is requested, based on a type of registration requested by the subscription object;

wherein, once the subscription object is placed on the subscribe and publish communication interface, a response to the subscription object is only provided following publication of the published data and a confirmation of the specific context.

20. Canceled

21. (currently amended) The computer program product of Claim [[20]] 19, further comprising code for:

flagging a registration of said node to indicate additional criteria needs to be satisfied prior to issuing the notification or forwarding published data to said node; and

matching an ID of a newly published data to a primary ID of a desired published data;
and

when the registration has an associated flag, verifying that said additional criteria is satisfied before indicating a match.

22. (currently amended) The computer program product of Claim ~~[[20]]~~ 19, further comprising code for expanding a registration of said node to include said expression.

23. (original) The computer program product of Claim 19, wherein said expression is one or a combination of a logical expression and a condition expression.

24. (currently amended) The computer program product of Claim ~~[[20]]~~ 19, wherein, when said expression is a logical expression requiring a publication of two or more different data each having unique data type IDs, said program code further comprises code for:

retrieving an associated data type ID for each publication to the communication interface; comparing the publication's data type ID against each unique data type ID within said logical expression; and

providing the response to said subscription object only when each of said data type IDs are matched against publication data type IDs.

25. (original) The computer program product of Claim 24, wherein said subscription component is an agent and said program code further comprises code for:

receiving confirmation that all criteria within said expression has been satisfied; and completing a secondary function when said confirmation is received.

26. (original) The computer program product of claim 25, wherein said subscribe and publish communication interface is an information kit and said subscription object is an information kit subscription object.

27. (original) The computer program product of Claim 19, further comprising code for:

providing a query expression within said subscription object containing an operand other than a wildcard for uniquely differentiating said query from a query for a generic response;

publishing said query to an information kit; and receiving a response containing a publication object satisfying said entire query expression.